

Appl. No : 09/933,961
Amdt. dated : 12/05/03
Reply to Office Action of 11/25/03

Amendments to the Specification:

1) page 8, last paragraph, page 9, first paragraph, please replace this text with the following amended text:

The invention provides for creating a container using layers of material, an outer layer of PPMA is followed by a central layer of metal (such as aluminum) which is followed by an inner coating of PPMA. The construction of the container of the invention is shown in three-dimensional view in Fig. 1, the highlights of which are as follows:

- 10, the component container of the invention
- 12, the main body of the component container 10 of the invention
- 14, the (front) access door of the component container 10 of the invention
- 16, a set of two hinges by which the front access door 14 of the component container 10 of the invention ~~rotate~~ rotates and by means of which the front access door 14 of the component container 10 of the invention is attached to the main body 12 of the component container 10 of the invention
- 18, knobs or protrusions attached to the front of the access door 14 of the component container 10 of the invention, which

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~~allows~~ allow for opening the front access door 14 in a rotating motion limited by hinges 16

- 20, the lower edge or extremity of access door 14, stretching between point 20' and 20"
- 22, the upward and rotating motion of edge 20 during the opening of access door 14
- 24, the front surface of the component container 10 of the invention
- 26, the back surface of the component container 10 of the invention
- 28, the left side surface of the component container 10 of the invention when ~~facing the component container~~ facing the access door 14 of the component container 10 of the invention
- 30, the right side surface of the component container 10 of the invention when ~~facing the component container~~ facing the access door 14 of the component container 10 of the invention
- 23, the bottom surface of the component container 10 of the invention
- 25, the top surface of the component container 10 of the invention.

2) page 8, last paragraph, page 9, first paragraph, please replace this text with the following amended text:

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Specifically shown in the cross section of Fig. 2 are the following elements of the component container of the invention:

- 23, the bottom surface of the component container of the invention
- 25, the top surface of the component container 10 of the invention
- 36, the cavity of the component container 10 of the invention; the components that are transported using the component container 10 of the invention are positioned inside cavity 36
- 38, the outer layer or shell of the surfaces of the component container 10 of the invention
- 40, a metallic coating that is embedded within the surfaces of the component container 10 of the invention
- 42, the inner layer or shell of the surfaces of the component container 10 of the invention
- 44, first supports which are provided underneath a component support unit 46
- 46, a plastic component support unit over which the components that are transported using the component container 10 of the invention are positioned during transportation
- 48, second supports which are provided on the surface of plastic support unit 46, and
- 50, the component, preferably a reticle, that has been positioned inside the component container 10 of the invention.

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3) page 1, the Title of the invention, please replace the title
~~ELECTROSTATIC DISCHARGE-FREE CONTAINER FOR INSULATING ARTICLES~~
with the following new title: ELECTROSTATIC DISCHARGE-FREE
CONTAINER COMPRISING A CAVITY SURROUNDED BY SURFACES OF PPMA-
POLY COVERED METAL-PPMA

4) page 23, please replace the ABSTRACT of the invention with
the following new ABSTRACT:

A [[new]] ESD-free container is provided ~~whereby an article~~
~~that is stored inside the cavity of a container will not be~~
~~affected by an discharge of static electricity. The article~~
~~stored in the container is protected against electromagnetic~~
~~charges that accumulate as a result of the triboelectricity~~
~~mechanism and charges that are induced by an electromagnetic~~
~~field.~~ A compound material is used for the creation of the
container, the compound material ~~contains~~ comprising a metallic
material that is wedged between layers of polyimide material.
The compound material is surrounded by layers of PPMA, resulting
in a container having a cavity that is surrounded by a first
layer of PPMA, a second layer of the compound material and a
third layer of PPMA. ~~The layering of materials effectively~~

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~~shields the component that is loaded into the container against
surrounding electromagnetic fields.~~

5) page 14, after the first paragraph, please enter the following new text. This text is a copy of existing claims 4 and 6, whereby numeric references have been provided to the text in accordance with Figs. 1, 2 and the new Fig. 5 of the invention. No new matter has been introduced by the following new text, this text is provided to facilitate an understanding of the claims of the invention.

The invention can be summarized as follows, in this summarization a close relationship is established between the cross sections of Figs. 1-3 of the invention and the claims of the invention, as follows:

- the invention provides a method of creating a component container 10, shown in three dimensional view in Fig. 1 and in cross section in Fig. 2, for storing and transporting components, such as component 50 shown in Fig. 2, that are used for the manufacturing of semiconductor devices (not highlighted), comprising
- providing an inner shell 42, Figs. 2 and 5, the inner shell comprising polymethylmethacrylate (PPMA), the inner shell

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having an outer surface 60, Fig. 5, the inner shell 42 having been provided with a cavity 36, Fig. 2, the inner shell 42 having been provided with a front surface 24, Fig. 1, the front surface 24, Fig. 1, having been provided with a means 14, Fig. 1, for accessing the cavity 36, Fig. 2, of the inner shell 42, the cavity 36, Fig. 2, having been provided with a means 44/46/48, Fig. 2, for positioning the component 50, Fig. 2 inside the cavity 36, Fig. 2

- providing a metallic layer 40, Figs. 3 and 5, having a first (62, Fig. 5) and a second (64, Fig. 5) surface, the first (62, Fig. 5) and the second (64, Fig. 5) surface having been coated with a layer of polyimide, that is layer 61 of poly having been coating over first surface 62 of layer 40, Fig. 5, and layer 63 of poly having been coated over second surface 64 of layer 40, Fig. 5
- attaching the metallic layer 40 to the outer surface 60, Fig. 5, of the inner shell, completely covering the inner shell 42 with the metallic layer 40, creating a two layered shell having a cavity 36, Fig. 2, the two layered (42/40) shell further having outside surfaces 66, Fig. 5, the outside surfaces of the two layered shell 42/40 having first dimensions in an X, Y and Z direction

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- providing an outer shell 38, Figs. 2 and 5, the outer shell comprising polymethylmethacrylate (PPMA), the outer shell 38 having a cavity (36, Fig. 2), the outer shell 38 having been provided with a front surface 24, Fig. 1, the front surface 24 having been provided with a means 14, Fig. 1 for accessing the cavity 36 of the outer shell 38, the outer shell 38 further having inside surfaces 68, Fig. 5, the inside surfaces 68 of the outer shell 38 having second dimensions in an X, Y and Z direction, the second dimensions of the outer shell 38 being essentially equal to the first dimensions of the two layered shell 42/40, thereby completely surrounding the two layered shell 42/40 with the outer shell 38
- the providing the means for positioning the component inside the cavity comprising:
 - (i) providing at least one support post 44, Fig. 2, having a surface in a plane (not highlighted), the at least one support post 44 comprising a high-resistivity material
 - (ii) providing at least one platform 46, Fig. 2, and
 - (iii) positioning the at least one platform 46, Fig. 2, above the at least one support post 44, Fig. 2, the at least one platform 46 being in contact with the at least one support post 44, the at least one platform 46 being positioned in the plane of the surface of the at least one support post 44, the

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at least one support post 44 comprising a high-resistivity

material.

6) page 7, after the fourth paragraph, please enter the following new text.

Fig. 5 shows additional detail relating to layers of material that are provided for the walls of the component container of the invention.